

# Timber and Nominal sizes

## **Seasoned structural timber**

Depth – 70, 90, 120, 140, 190, 240, 290 (larger depths may have very limited stocks, and some stockists may also carry 170 depth).

Thickness – 35, 45, 70, 90 (Machine stress grading can only be used for thicknesses less than 70 mm)

## **Unseasoned timber**

Depth – 100, 125, 150, 175, 200, 250, 300 (Depths greater than 200 mm may require special orders)

Thickness – 38, 50, 75, 100, 125, 150, 175 (Thicknesses greater than 50 mm may require a special order)

Other structural products (eg LVL, Glulam and I-beams) will have different standard sizes, and local suppliers must be contacted before attempting to design or specify the timber.

## **Availability of sizes**

The best method of determining availability is to ask local suppliers to send their price lists. This will give available cross sections in different types of products. Some typical availabilities are shown in the tables below.

More use is being made of seasoned hardwoods. They are available in a few local species, but are generally sawn to the same sizes as seasoned softwoods. Some unseasoned softwood is imported to Australia. Available sizes for the imported unseasoned product are tied to what the overseas producer delivers, but they are close to the sizes listed for unseasoned hardwoods in this table.

Size is often constrained by practicalities. Where framing is say, 90 mm wide, then any member in the frame must be 90 mm wide as well. Different capacities are achieved by varying the thickness. (For example 35 mm thick members may be used for lower load applications and 45 mm thick members for higher load applications. 70 mm thick members can be made by nailing two 35 mm thick members together and 90 mm thick members by nailing two 45 mm members together.)

Timber is normally sold in standard lengths starting at 1.8m and increasing by 0.3m up to around 6m. Not all lengths will be available at any point in time. Normally appearance grades are available in a range of shorter lengths, and structural products are available in a range of longer lengths.



A typical timber conversion chart:

Conversion Table	
Nominal	Finished Size
19	12
25	19
31	25
38	31
50	41
75	67
100	91
125	116
150	141
175	167
200	191
225	216
250	241
275	267
300	291